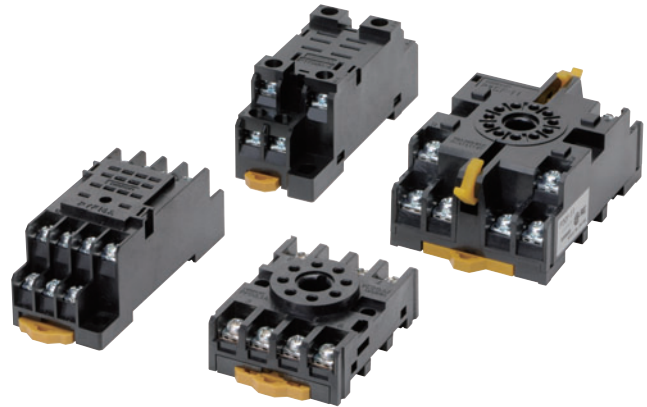


# Products Related to Common Sockets and DIN Tracks

CSM\_common\_sockets\_DS\_E\_3\_3

## A Wide Variety of Square and Round Sockets in Front-mounting and Back-mounting Models

- Models available with finger protection.
- Hold-down Clips and Socket Bridges for PYF Sockets are also available.
- New screwless models available.



## Models Used with Common Sockets

### Sockets

| Item              |   | Model   | Number of pins                      | Applicable Sockets |               |             |
|-------------------|---|---|-------------------------------------|--------------------|---------------|-------------|
| Group name        |   |   |                                     | Front-mounting     | Back-mounting |             |
| Proximity Sensors | E2C   | E2C-AM4A  | 8                                   | P2CF-08            | P3G           |             |
|                   |   | E2C-AK4A  | 11                                  | P2CF-11            | P3GA          |             |
|                   |   | E2C-GE4A  | 8                                   | PYF08A             | PY            |             |
|                   |   | E2C-GF4A  |                                     |                    |               |             |
| Level Devices     | 61F   | 61F-GP-N8<br>61F-APN2                                     | 8                                   | PF083A             | PL            |             |
|                   |   | 61F-UHS   |                                     | 8PFA1              |               |             |
|                   |   | 61F-HSL   |                                     | 8PFA               |               |             |
|                   |   | 61F-03B, -04B<br>61F-GP-N<br>61F-GPN-V50<br>61F-GPN-BT/BC | 11                                  | PF113A             |               |             |
|                   |   | 61F-IP<br>61F-G1P, -G2P                                   | 14                                  | 14PFA              |               |             |
|                   |   | K7L   | K7L-AT50/AT50D<br>K7L-U/-UD         | 8                  |               | P2RF-08(-E) |
|                   | General-purpose Relays and Solid-state Relays | MY (Q, K, H)  | MY1, MY2                            | 8                  | PYF           | PY          |
|                   |   |   | MY3                                 | 11                 |               |             |
|                   |   |   | MY4, MYQ4<br>MY4Z-CBG<br>MY2K, MY4H | 14                 |               |             |
|                   |   |   | LY                                  | LY1, LY2           | 8             |             |
| LY3               |   | 11  |                                     |                    |               |             |
| LY4               |   | 14  |                                     |                    |               |             |
| G7K               |   | G7K-412S  |                                     |                    | ---           |             |
| G2A(K)            |   | G2A,<br>G2A-434<br>G2AK                                   | 14                                  | PYF                | PY            |             |
| MK(K)             |   | MK2P  | 8                                   | PF083A(-E)         | PL            |             |
|                   |   | MK3P<br>MK2KP   | 11                                  | PF113A(-E)         |               |             |

| Item  |                                     | Model                    | Number of pins          | Applicable Sockets |               |
|---|-------------------------------------|--------------------------|-------------------------|--------------------|---------------|
| Group name                                    |                                     |                          |                         | Front-mounting     | Back-mounting |
| General-purpose Relays and Solid-state Relays | MM                                  | MM2(X)P                  | 8                       | 8PFA               | PL            |
|   |                                     | MM3P                     | 11                      | PFA                |               |
|   |                                     | MM2(X)KP                 |                         |                    |               |
|   |                                     | MM3XP                    |                         |                    |               |
|   |                                     | MM3(X)KP                 |                         |                    |               |
|   |                                     | MM4(X)P                  |                         |                    |               |
|   |                                     | MM4(X)KP                 |                         |                    |               |
|   | G4Q                                 | ---                      | 8                       | 8PFA1              | PL            |
|   | G3F                                 | G3F(D) Series<br>G3FM    | 8                       | PYF                | PY            |
|   | G3H                                 | G3H(D) Series            |                         | PTF                | PT            |
|   | G3B                                 | G3B(D) Series            |                         | PF083A             | PL            |
|   | G9H                                 | G9H-2□□S                 |                         | PTF                | PT            |
|   | G2R                                 | G2R-1-S□                 | 5                       | P2RF-05□           | P2R<br>-05□   |
|   |                                     | G2R-2-S□                 | 8                       | P2RF-08□           | P2R<br>-08□   |
|   | G3R                                 | ---                      | 5                       | P2RF-05□           | P2R<br>-05□   |
|   | G7T<br>G3TA                         | G7T<br>G3TA              | 5                       | P7TF-05            | ---           |
|   | G7S                                 | G7S-4A2B-E<br>G7S-3A3B-E | 14                      | P7S-14F-END        | P7S<br>-14P-E |
| G7SA  | G7SA-3A1B<br>G7SA-2A2B              | 10                       | P7SA-10F<br>P7SA-10F-ND | P7SA<br>□-10P      |               |
|   | G7SA-5A1B<br>G7SA-4A2B<br>G7SA-3A3B | 14                       | P7SA-14F<br>P7SA-14F-ND | P7SA<br>□-14P      |               |
|   | H3CA                                | H3CA-8(H)                | 8                       | P2CF               | P3G<br>PL     |
|   |                                     | H3CA-A                   | 11                      |                    | P3GA<br>PL    |
| H5CN  | H5CN-□IM                            | 11                       | P3GA                    |                    |               |
|   | Other H5CN models                   | 8                        | P3G                     |                    |               |
| H5CX  | H5CX-L8□                            | 8                        | P3G                     |                    |               |
|   | H5CX-A11□                           | 11                       | P3GA                    |                    |               |
| H5CZ  | H5CZ-L8□                            | 8                        | P3G                     |                    |               |

# Products Related to Common Sockets and DIN Tracks

| Item                            |   | Model  | Number of pins | Applicable Sockets              |                  |
|---------------------------------|---|--|----------------|---------------------------------|------------------|
| Group name                      |   |  |                | Front-mounting                  | Back-mounting    |
| Timers                          | H3CR  | H3CR-A8□<br>H3CR-F8□<br>H3CR-G8□<br>H3CR-H8□                       | 8              | P2CF                            | P3G PL           |
|                                 |   | H3CR-A<br>H3CR-AS<br>H3CR-AP<br>H3CR-F<br>H3CR-FN<br>H3CR-HRL      | 11             |                                 | P3GA PL          |
|                                 | H3M   | ---  | 8              | PF085A                          | P3G PL           |
|                                 | H3Y   | H3Y-2  | 8              | PYF                             | PY               |
|                                 |   | H3Y-4  | 14             |                                 |                  |
|                                 | H3YN  | H3YN-2□  | 8              |                                 |                  |
|                                 |   | H3YN-4□  | 14             |                                 |                  |
|                                 | H3RN  | H3RN-1□  | 5              | P2RF-□-E                        | P2R □-□7P        |
|                                 |   | H3RN-2□  | 8              |                                 |                  |
|                                 | RD2P  | ---  | 8              | 8PFA1                           | PL               |
|                                 | H2C   | ---  | 8              | P2CF<br>PF085A                  | P3G PL           |
| Counters                        | H7CX  | H7CX-A11□  | 11             | P2CF                            | P3GA             |
|                                 | H7CZ  | H7CZ-L8□   | 8              |                                 | P3G              |
|                                 | H7CN  | H7CN-□M  | 11             |                                 | P3GA             |
|                                 |   | Other H7CN models  | 8              |                                 | P3G              |
| Temperature Controllers         | E5CN  | E5CN-□U  | 11             |                                 | P3GA             |
|                                 | E5C2  | ---  | 8              |                                 | P3G              |
|                                 | E5CS  | E5CS-□1, □2  | 11             |                                 | P3GA             |
|                                 |   | Other E5CS models  | 8              |                                 | P3G              |
|                                 | E5L   | ---  | 14             | PTF14A                          | ---              |
| Signal Converters               | K3FK  | K3FK models not listed below                                       | 8              | 8PFA (Included with Converter)  | ---              |
|                                 |   | K3FK-G□<br>K3FK-GS□<br>K3FK-SL-75-□                                | 11             | 11PFA (Included with Converter) |                  |
| Component Protective Components | SE  | SE-KP□N  | 8              | 8PFA1                           | ---              |
|                                 | SAO   | SAO-□  |                | PF083A                          | PL08             |
|                                 | APR   | APR-S<br>APR-S380/-S440  |                | P2CF-11                         | PL11             |
|                                 | K2CU  | K2CU-P   | 8              | 8PFA1                           | ---              |
|                                 | SDV   | SDV-F□□-FH□T<br>SDV-D□□  |                | 14PFA                           | PL15             |
|                                 | LG2   | LG2-□  | 8              | PF083A                          | PL08             |
|                                 | K6EL  | K6EL-□   | 11             | P2CF-11                         | PL11 and P3GA-11 |
|                                 | Products for High-voltage Power Receiving Equipment | AGF  | AGF-1-P5       | 8                               | 8PFA1            |
| Annunciators                    | MYA   | MYA-NA1, -NB1  | 8              | PF083A                          | PL               |
|                                 |   | MYA-NA2, -NB2<br>MYA-LA1, -LB1<br>MYA-LA2, -LB2<br>MYA-LA12, -LB12 | 11             | PF113A                          |                  |

## Hold-down Clips For Square Sockets

| Sockets                       | PYF□A<br>PTF□A  | PYF08M       | PY□(QN)<br>PT□(QN)      | PY□-02<br>PT□-0 |
|-------------------------------|---|--------------|-------------------------|-----------------|
| Applicable models             | MY□, MY□N,<br>MY□-D, MY2□-CR,<br>MY4□-CR,<br>MY4Z□-CR,<br>MY□-TU, MY2K,<br>MY□N-D2, LY□,<br>LY□N, LY□-TU,<br>MYQ□,<br>G3H(D) Series,<br>G3F(D) Series,<br>G3FM, and G9H | PYC<br>PYC-P | PYC-P<br>PYC-S          | PYC-P           |
| MY□ <sup>*</sup><br>LY□       | PYC-A1  | ---          | PYC-P2                  |                 |
| MY4H                          |   | ---          | PYC-P                   |                 |
| MY2Z□-CR<br>MY3□-CR<br>LY□-CR |   | Y92H-3       | PYC-1                   |                 |
| G2A(K) Series                 | PYC-A2  | ---          | PYC-2<br>PYC-3<br>PYC-5 | PYC-3<br>PYC-5  |
| G7K                           | PKC   | ---          |                         |                 |
| H3Y                           | Y92H-3  | ---          | Y92H-4                  |                 |

**Note:** The □ in the model number is replaced with 08, 11, or 14.  
 \* If you use a Hold-down Clip with the MY2I, you cannot use the PYF08A.  
 Use the PYF14A.

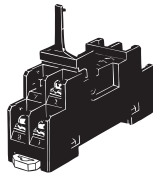
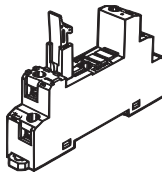
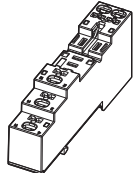
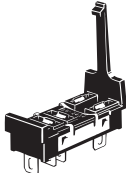
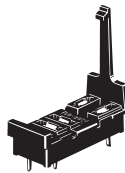
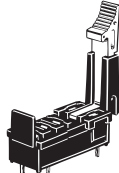
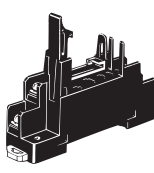
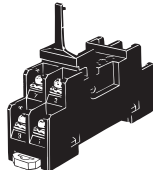
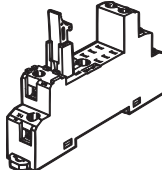
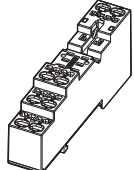
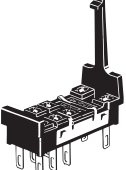
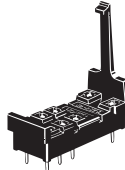
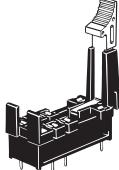
## For Round Sockets

| Sockets<br>Applicable models                                     | PF083A<br>PF113A | PL08 (-Q)<br>PL11 (-Q) | PLE08-0<br>PLE11-0 | P2CF-11 |
|--|------------------|------------------------|--------------------|---------|
| 61F-03B, -04B  | PFC-A1           | PLC                    | PLC-10             | ---     |
| 61F-GP-N,<br>-GPN-BT<br>61F-GP-N8<br>?61F-APN2                   | PFC-N8           | PHC-5                  |                    |         |
| MK2P Series,<br>MK2KP,<br>MK3P□(-US), and<br>G3B(D) Series       | PFC-A1           | PLC                    |                    |         |
| MK3ZP<br>MK3LP   |                  | PLC-1                  |                    |         |
| MYA-NA1, -NB1<br>MYA-LA1, -LB1<br>MYA-NA2, -NB2<br>MYA-LA2, -LB2 | PFC-A6           | PLC-7                  | ---                | ---     |
| MYA-LA12, -LB12  | PFC-A7           | PLC-8                  | ---                | ---     |
| APR-S  | PFC-A6           | PLC-7                  | ---                | ---     |
| APR-S380/-S440   | ---              | ---                    | ---                | Y92H-1  |
| LG2  | PFC-A7           | PLC-8                  | ---                | ---     |
| K6EL   | ---              | Y92H-1                 | ---                | ---     |

**Note:** 1. The 8PFA(1), 11PFA, and 14PFA are held with hooks.  
 2. The PL15, PL20, and PF202, as well as models not given in the above table, require panel processing for installation.  
 3. The PF085A Hold-down Clip is included with the H3M and H2A. It is an option (sold separately) for the H2C.

## Ordering Information

### Square Sockets

| Model          | P2RF (front-mounting), page 9   |   |   | P2R (back-mounting), pages 11 and 12  |  |   | P7TF (front-mounting), page 12  |
|----------------|---|---|---|---|--|---|---|
|                |   |   |   | Solder terminals  | PCB terminals  |   |   |
| Number of pins |   |   |   |   |  |   |   |
| 5 pins         | <b>P2RF-05</b><br>Approx. 27 g  | <b>P2RF-05-E*</b><br>Approx. 38 g   | <b>P2RF-05-S</b><br>Approx. 36 g  | <b>P2R-05A</b><br>Approx. 5 g   | <b>P2R-05P</b><br>Approx. 5 g  | <b>P2R-057P</b><br>Approx. 5.5 g  | <b>P7TF-05</b><br>Approx. 28 g  |
|                |  |  |  |  |  |  |  |
|                |   |   |   |   |  |   |   |
| 8 pins         | <b>P2RF-08</b><br>Approx. 33 g  | <b>P2RF-08-E*</b><br>Approx. 38 g   | <b>P2RF-08-S</b><br>Approx. 40 g  | <b>P2R-08A</b><br>Approx. 5 g   | <b>P2R-08P</b><br>Approx. 5 g  | <b>P2R-087P</b><br>Approx. 5.5 g  | —   |
|                |  |  |  |  |  |  |   |
|                |   |   |   |   |  |   |   |

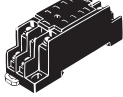
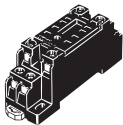
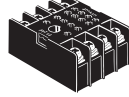
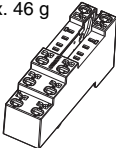

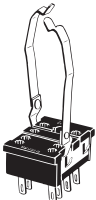



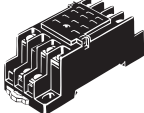

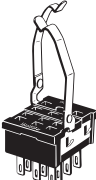
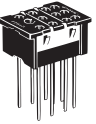
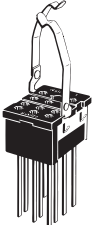

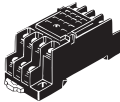
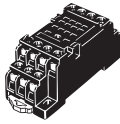
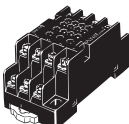
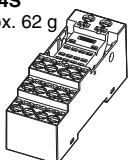

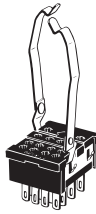



**Note: 1.** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.

**2.** To remove the Relay, pull the lever on the Socket with your fingers supporting the lever and the opposite side of the Relay case, and jiggle the Relay.

\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

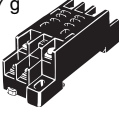
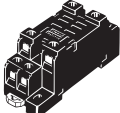
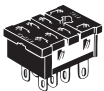
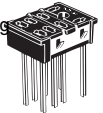
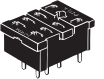
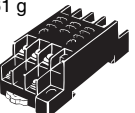


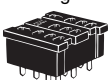
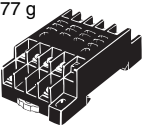
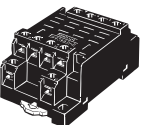
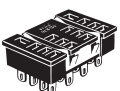


**Minimum Order Lot** The following models are available at the minimum order lot specified below.

| Number of pins | Model | P2RF    | P2R             | P7TF    | Minimum order lot (pcs) |
|----------------|-------|---------|-----------------|---------|-------------------------|
| 5 pins         |       | P2RF-05 | P2R-05A P2R-05P | P7TF-05 | 10                      |
| 8 pins         |       | P2RF-08 | P2R-08A P2R-08P | ---     |                         |

| Model          | PYF (front-mounting), page 14   | PY (back-mounting), page 15   |   |   |   |
|----------------|---|---|---|---|---|
|                |   | Solder terminals  |   | Wrapping terminals  | PCB terminals   |
| Number of pins |   |   |   |   |   |
| 8 pins         | <b>PYF08A</b><br>Approx. 32 g<br><br><b>PYF08A-E<sup>*1</sup></b><br><br><b>PYF08M</b><br>Approx. 26 g<br><br><b>PYF08S</b><br>Approx. 46 g<br> | <b>PY08</b><br>Approx. 8 g<br><br><b>PY08-Y1</b><br><b>PY08-Y3</b><br>  | <b>PY08QN</b><br>Approx. 12 g<br><b>PY08QN2</b><br> | <b>PY08QN-Y1</b><br><b>PY08QN2-Y1</b><br>  | <b>PY08-02<sup>*2</sup></b><br>Approx. 7.2 g<br> |
| 11 pins        | <b>PYF11A</b><br>Approx. 43 g<br>  | <b>PY11</b><br>Approx. 9 g<br><br><b>PY11-Y1</b><br>                    | <b>PY11QN</b><br><b>PY11QN2</b><br>                  | <b>PY11QN-Y1</b><br><b>PY11QN2-Y1</b><br>  | <b>PY11-02<sup>*2</sup></b><br>                  |
| 14 pins        | <b>PYF14A</b><br>Approx. 49 g<br><br><b>PYF14A-E<sup>*1</sup></b><br><br><b>PYF14T</b><br>Approx. 53 g<br><br><b>PYF14S</b><br>Approx. 62 g<br> | <b>PY14</b><br>Approx. 10 g<br><br><b>PY14-Y1</b><br><b>PY14-Y3</b><br> | <b>PY14QN</b><br>Approx. 14 g<br><b>PY14QN2</b><br>  | <b>PY14QN-Y1</b><br><b>PY14QN2-Y1</b><br><b>PY14QN-Y3</b><br><b>PY14QN2-Y3</b><br> | <b>PY14-02<sup>*2</sup></b><br>                  |

## Products Related to Common Sockets and DIN Tracks

**Note: 1.** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.  
**2.** Refer to Models with Standards Certification for detailed information on the models of Common Sockets that are certified for standards.  
**\*1.** Use a #1 Phillips screwdriver to tighten the screws on this Socket.  
**\*2.** The structure does not resist flux. Manual soldering is recommended for this product.

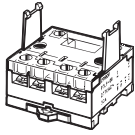
| Model<br>Number<br>of pins | PTF (front-mounting), page 17  |  | PT (back-mounting), page 18  |   |  |
|----------------------------|--|--|--|---|--|
|                            |  |  | Solder terminals   | Wrapping terminals  | PCB terminals  |
| 8 pins                     | PTF08A Approx. 47 g<br> | PTF08A-E *1<br> | PT08 Approx. 11 g<br> | PT08QN<br>Approx. 10.4 g<br> | PT08-0 *2<br>Approx. 8 g<br>    |
| 11 pins                    | PTF11A Approx. 61 g<br> |  | PT11 Approx. 13 g<br> | PT11QN<br>                   | PT11-0 *2<br>Approx. 12.2 g<br> |
| 14 pins                    | PTF14A Approx. 77 g<br> | PTF14A-E *1<br> | PT14 Approx. 17 g<br> | PT14QN<br>Approx. 20 g<br>   | PT14-0 *2<br>Approx. 16.2 g<br> |

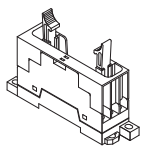

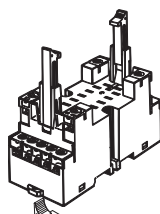
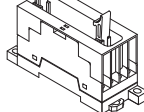
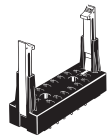
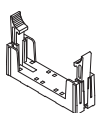
**Note:** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.  
**\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.**  
**\* The structure does not resist flux. Manual soldering is recommended for this product.**

### Minimum Order Lot

The following models are available at the minimum order lot specified below.

| Number of pins | Model | PYF              | PY   | PTF    | PT   | Minimum order lot (pcs) |
|----------------|-------|------------------|------|--------|------|-------------------------|
| 8 pins         |       | PYF08A<br>PYF08M | PY08 | PTF08A | PT08 | 10                      |
| 11 pins        |       | PYF11A           | PY11 | PTF11A | PT11 |                         |
| 14 pins        |       | PYF14A           | PY14 | PTF14A | PT14 |                         |

| Model<br>Number<br>of pins | P7LF (front-mounting), page 20  |
|----------------------------|---|
| 6 pins                     | P7LF-06 Approx. 60 g<br> |

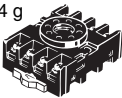
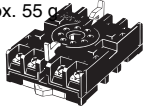
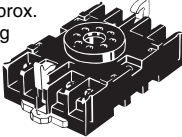
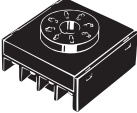




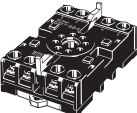
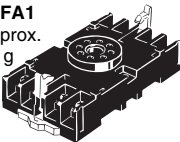



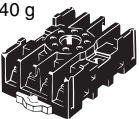
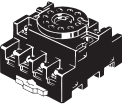

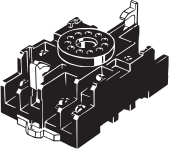
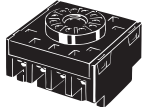

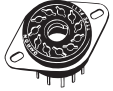

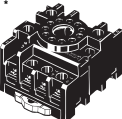
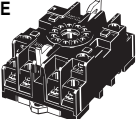
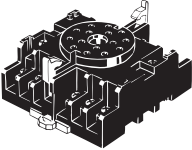


| Model<br>Number<br>of pins | P7S/P7SA, pages 20 and 21  |   |
|----------------------------|--|---|
|                            | Front-mounting   | PCB terminals   |
| 10 pins                    | P7SA-10F Approx. 44 g<br>P7SA-10F-ND Approx. 44 g<br>  | P7SA-10P Approx. 9 g<br>   |
| 14 pins                    | P7S-14F-END Approx. 110 g<br><br>P7SA-14F Approx. 59 g<br>P7SA-14F-ND Approx. 59 g<br><br> | P7S-14P-E Approx. 25 g<br><br><br>P7SA-14P Approx. 10 g<br> |

**Note:** Refer to *Models with Standards Certification* for detailed information on the models of Common Sockets that are certified for standards.



# Products Related to Common Sockets and DIN Tracks

## Round Sockets

| Model<br>Number of pins | PF (front-mounting),<br>page 22   | P2CF (front-mounting),<br>page 23  | PFA (front-mounting),<br>page 24   | P3G (back-mounting),<br>page 25   | PL (back-mounting), page 26   |  |  |
|-------------------------|---|--|--|---|---|--|--|
|                         |   |  |  |   | Solder terminals  | Wrapping terminals   | PCB terminals  |
| 8 pins                  | PF083A<br>Approx. 34 g<br> | P2CF-08<br>Approx. 55 g<br> | 8PFA<br>Approx. 57 g<br>  | P3G-08<br>Approx. 40 g<br>  | PL08<br>Approx. 14 g<br>   | PL08-Q<br>Approx. 15 g<br>  | PLE08-0<br>Approx. 10.6 g<br> |
|                         | PF083A-E *<br>             | P2CF-08-E<br>               | 8PFA1<br>Approx. 66 g<br> | Note: The Y92A-48G Terminal Cover can be used to provide finger protection.                                   |                            |                             |                               |
|                         | PF085A<br>Approx. 40 g<br> |  |  |   |   |  |  |
| 11 pins                 | PF113A<br>Approx. 47 g<br> | P2CF-11<br>Approx. 70 g<br> | 11PFA<br>Approx. 74 g<br> | P3GA-11<br>Approx. 47 g<br> | PL11<br>Approx. 15 g<br>   | PL11-Q<br>Approx. 18.5A<br> | PLE11-0<br>Approx. 10.8 g<br> |
|                         | PF113A-E *<br>            | P2CF-11-E<br>              |  | Note: The Y92A-48G Terminal Cover can be used to provide finger protection.                                   |   |  |  |
| 14 pins                 | ---   | ---  | 14PFA Approx. 104 g<br> | ---   | PL15<br>Approx. 28 g<br> | ---  | ---  |
| 20 pins                 | ---   | ---  | ---  | ---   | PL20<br>Approx. 17 g<br> | ---  | ---  |

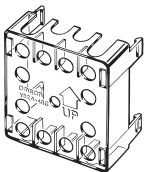
**Note:** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.  
\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

### Minimum Order Lot

The following models are available at the minimum order lot specified below.

| Number of pins          | Model | PF             | P2CF               | PFA         | P3G     | PL   |
|-------------------------|-------|----------------|--------------------|-------------|---------|------|
| 8 pins                  |       | PF083A, PF085A | P2CF-08, P2CF-08-E | 8PFA, 8PFA1 | P3G-08  | PL08 |
| 11 pins                 |       | PF113A         | P2CF-11, P2CF-11-E | 11PFA       | P3GA-11 | PL11 |
| 14 pins                 |       | ---            | ---                | 14PFA       | ---     | PL15 |
| Minimum order lot (pcs) |       | 20             | 10                 | 20          | 10      |      |

### Terminal Cover

| Model      | Y92A-48G  |
|------------|---|
| Appearance |  |

**Note:** Refer to Models with Standards Certification for detailed information on the models of Common Sockets that are certified for standards.

# Products Related to Common Sockets and DIN Tracks

## Hold-down Clips For Square Sockets

(Unit: mm)

|                                |                                  |                                |   |  |  |
|--------------------------------|----------------------------------|--------------------------------|---|--|--|
| <b>PHC-12</b><br>              | <b>PKC One Set (2 Clips)</b><br> | <b>PTC-1</b><br>               | <b>PYC-A1</b> Approx. 0.54 g<br>One Set (2 Clips)<br> | <b>PYC-A2</b><br>One Set (2 Clips)<br> | <b>PYC-E1</b><br>One Set (2 Clips)<br> |
| <b>PYC-P</b> Approx. 1.4 g<br> | <b>PYC-P2</b> Approx. 1.2 g<br>  | <b>PYC-S</b> Approx. 1.8 g<br> | <b>PYC-1</b> Approx. 6 g<br>                          | <b>PYC-2</b><br>                       | <b>PYC-3</b><br>                       |
| <b>PYC-5</b><br>               | <b>PYC</b> Approx. 0.2 g<br>     | <b>Y92H-1</b><br>              | <b>Y92H-3</b><br>One Set (2 Clips)<br>                | <b>Y92H-4</b><br>                      |  |

## For Round Sockets

| <b>PFC-A1</b> Approx. 2.2 g<br>One Set (2 Clips) | <b>PFC-A6</b> Approx. 2.4 g<br>One Set (2 Clips) | <b>PFC-A7</b> Approx. 3.0 g<br>One Set (2 Clips) | <b>PLC</b> Approx. 2.4 g<br>One Set (2 Clips)  | <b>PLC-1</b> Approx. 2.6 g<br>One Set (2 Clips) | <b>PLC-7</b> Approx. 3.0 g<br>One Set (2 Clips) |      |       |                         |                    |                 |     |  |    |
|--|--|--|--|---|---|------|-------|-------------------------|--------------------|-----------------|-----|--|----|
|  |  |  |  |   |   |      |       |                         |                    |                 |     |  |    |
| <b>PLC-8</b> Approx. 6.4 g<br>One Set (2 Clips)  | <b>PLC-10</b> Approx. 2.0 g<br>One Set (2 Clips) | <b>PLC-12</b> Approx. 5.4 g<br>One Set (2 Clips) | <div><b>Minimum Order Lot</b><br/>The following models are available at the minimum order lot specified below.</div> <table><thead><tr><th>Type</th><th>Model</th><th>Minimum order lot (pcs)</th></tr></thead><tbody><tr><td rowspan="6">For Square Sockets</td><td>PYC-A1<br/>PYC-P</td><td>100</td></tr><tr><td>PYC-A2<br/>PYC-S<br/>PYC-1<br/>PYC-2<br/>PYC-3</td><td>10</td></tr></tbody></table> |   |   | Type | Model | Minimum order lot (pcs) | For Square Sockets | PYC-A1<br>PYC-P | 100 | PYC-A2<br>PYC-S<br>PYC-1<br>PYC-2<br>PYC-3 | 10 |
| Type   | Model  | Minimum order lot (pcs)                          |  |   |   |      |       |                         |                    |                 |     |  |    |
| For Square Sockets                               | PYC-A1<br>PYC-P                                  | 100  |  |   |   |      |       |                         |                    |                 |     |  |    |
|  | PYC-A2<br>PYC-S<br>PYC-1<br>PYC-2<br>PYC-3       | 10   |  |   |   |      |       |                         |                    |                 |     |  |    |
|  |  |  |  |   |   |      |       |                         |                    |                 |     |  |    |

# Products Related to Common Sockets and DIN Tracks

## Specifications

### Socket Characteristics

| Model           | Continuous carry current | Dielectric strength  | Insulation resistance <sup>1</sup> | Remarks   |
|-----------------|--------------------------|--|------------------------------------|---|
| P2RF-05(-E)(-S) | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min      | 1,000 MΩ min.                      |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| P2RF-08(-E)(-S) | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min | 1,000 MΩ min.                      |   |
|                 |                          | Between contact terminals of same polarity: 1,000 VAC for 1 min      |                                    |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| P2R-05P         | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min      | 1,000 MΩ min.                      |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| P2R-08P         | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min | 1,000 MΩ min.                      |   |
|                 |                          | Between contact terminals of same polarity: 1,000 VAC for 1 min      |                                    |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| P2R-057P        | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min      | 1,000 MΩ min.                      |   |
|                 |                          | Between coil and contact terminals: 5,000 VAC for 1 min              |                                    |   |
| P2R-087P        | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min | 1,000 MΩ min.                      |   |
|                 |                          | Between contact terminals of same polarity: 1,000 VAC for 1 min      |                                    |   |
|                 |                          | Between coil and contact terminals: 5,000 VAC for 1 min              |                                    |   |
| P2R-05A         | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min      | 1,000 MΩ min.                      |   |
|                 |                          | Between ground terminals: 1,500 VAC for 1 min                        |                                    |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| P2R-08A         | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min | 1,000 MΩ min.                      |   |
|                 |                          | Between contact terminals of same polarity: 1,000 VAC for 1 min      |                                    |   |
|                 |                          | Between ground terminals: 1,500 VAC for 1 min                        |                                    |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| P7TF-05         | 5 A                      | Between terminals: 2,000 VAC for 1 min                               | 100 MΩ min.                        |   |
| PYF08A(-E)(-S)  | 7 A, -S models:<br>10 A  | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      | The continuous carry current of 10 A for the PYF08S is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A. |
| PYF11A          | 5 A                      | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| PYF14A(-E)(-S)  | 3 A, -S models:<br>5 A   | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| PY08(-Y1)       | 7 A                      | Between terminals: 1,500 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| PY08QN(-Y1)     | 7 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY08-02         | 7 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY11(-Y1)       | 5 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY11QN(-Y1)     | 5 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY11-02         | 5 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY14(-Y1)       | 3 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY14QN(-Y1)     | 3 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PY14-02         | 3 A                      | Between terminals: 1,500 VAC for 1 min                               | 100 MΩ min.                        |   |
| PTF□□A(-E)      | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 100 MΩ min.                        |   |
| PT□□            | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 100 MΩ min.                        |   |
| PT□□QN          | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 100 MΩ min.                        |   |
| PT□□-0          | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 100 MΩ min.                        |   |
| P7LF-06         | 30 A                     | Between contact terminals of different polarity: 2,000 VAC for 1 min | 1,000 MΩ min.                      |   |
|                 |                          | Between contact terminals of same polarity: 2,000 VAC for 1 min      |                                    |   |
|                 |                          | Between coil and contact terminals: 4,000 VAC for 1 min              |                                    |   |
| PF□□□A          | 5 A                      | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| P2CF            | 5 A                      | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| P3G(A)          | 6 A                      | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| 8PFA(1)         | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| 11PFA(1)        | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| PL□(-Q)         | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| PLE□□-0         | 10 A                     | Between terminals: 2,000 VAC for 1 min                               | 1,000 MΩ min.                      |   |
| P6D-04P         | 5 A                      | Between contact terminals of same polarity: 1,000 VAC for 1 min      | 100 MΩ min.                        |   |
|                 |                          | Between coil and contact terminals: 3,000 VAC for 1 min              |                                    |   |
| P7S-14□-E(ND)   | 10 A                     | Between contact terminals of different polarity: 2,000 VAC for 1 min | 1,000 MΩ min.                      |   |
|                 |                          | Between contact terminals of same polarity: 1,500 VAC for 1 min      |                                    |   |
|                 |                          | Between coil and contact terminals: 2,000 VAC for 1 min              |                                    |   |

## Products Related to Common Sockets and DIN Tracks

| Model    | Continuous carry current | Dielectric strength  | Insulation resistance*1 | Remarks |
|----------|--------------------------|--|-------------------------|---------|
| P7SA-10□ | 6 A *2                   | Between contact terminals of different polarity: 2,500 VAC for 1 min | 1,000 MΩ min.           |         |
|          |                          | Between contact terminals of same polarity: 1,500 VAC for 1 min      |                         |         |
|          |                          | Between coil and contact terminals: 2,500 VAC for 1 min              |                         |         |
| P7SA-14□ | 6 A *2                   | Between contact terminals of different polarity: 2,500 VAC for 1 min | 1,000 MΩ min.           |         |
|          |                          | Between contact terminals of same polarity: 1,500 VAC for 1 min      |                         |         |
|          |                          | Between coil and contact terminals: 2,500 VAC for 1 min              |                         |         |

\*1. The insulation resistance was measured with a 500-VDC insulation resistance meter at the same places as those used for measuring the dielectric strength.

\*2. There are restrictions in the current. Refer to the *General Catalog for the OMRON Safety Components* (Cat. No. Y106) for details.

### Safety Precautions

Refer to *Common Relay Precautions* for general precautions.

## Dimensions

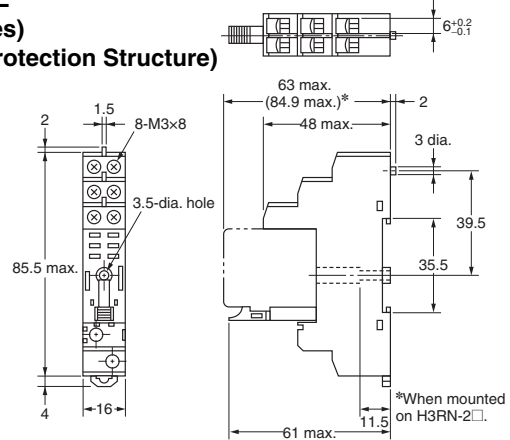
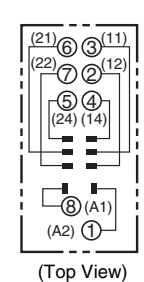
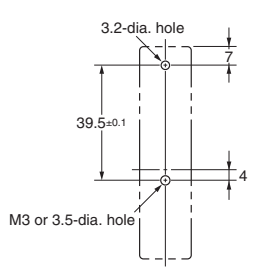
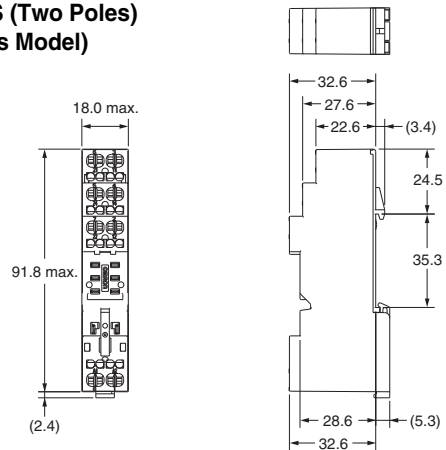
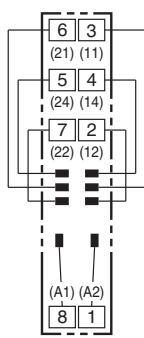
### P2RF

(Unit: mm)

| Dimensions  | Terminal Arrangement/<br>Internal Connections   | Mounting Hole Dimensions   |
|---|---|--|
| <b>P2RF-05<br/>(One Pole)</b>                                 | <p>(Top View)</p>   | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |
| <b>P2RF-05-E (One Pole)<br/>(Finger Protection Structure)</b> | <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p> | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |
| <b>P2RF-05-S (One Pole)<br/>(Screwless Model)</b>             | <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p> | <p>---</p>   |
| <b>P2RF-08<br/>(Two Poles)</b>                                | <p>(Top View)</p>   | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |

P2RF

(Unit: mm)

| Dimensions   | Terminal Arrangement/<br>Internal Connections   | Mounting Hole Dimensions   |
|--|---|--|
| <p><b>P2RF-08-E</b><br/><b>(Two Poles)</b><br/><b>(Finger Protection Structure)</b></p>  <p>Technical drawing of P2RF-08-E showing front, side, and top views with dimensions. Front view shows a height of 85.5 max. and a width of 16. Side view shows a total width of 61 max. and a mounting hole diameter of 3.5. Top view shows a height of 39.5 and a width of 48 max. (84.9 max.)*. A note indicates: *When mounted on H3RN-2□.</p> |  <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p>  |  <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |
| <p><b>P2RF-08-S (Two Poles)</b><br/><b>(Screwless Model)</b></p>  <p>Technical drawing of P2RF-08-S showing front and side views with dimensions. Front view shows a height of 91.8 max. and a width of 18.0 max. Side view shows a total width of 32.6 and a mounting hole diameter of 3.4. A note indicates: (2.4).</p>  |  <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p> | <p>---</p>   |

**Note:** 1. If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is negative.  
2. Refer to pages 28 and 30 for the features of Screwless Sockets and for precautions for correct use.



# Products Related to Common Sockets and DIN Tracks

## P2R

(Unit: mm)

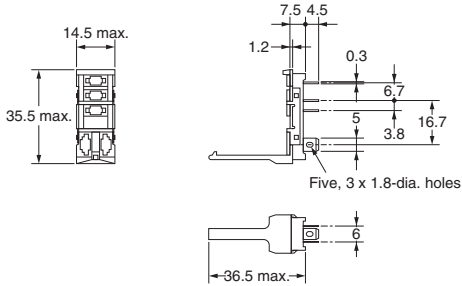
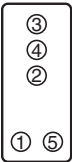
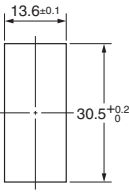
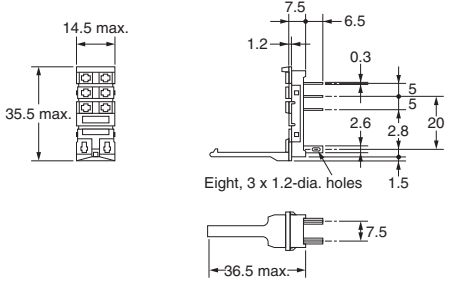
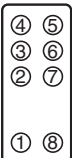
| Dimensions                      | Terminal Arrangement/<br>Internal Connections | PCB Dimensions    |
|---------------------------------|---|-------------------|
| <b>P2R-05P (One Pole)</b><br>   | <br>(Bottom View)                             | <br>(Bottom View) |
| <b>P2R-08P (Two Poles)</b><br>  | <br>(Bottom View)                             | <br>(Bottom View) |
| <b>P2R-057P (One Pole)</b><br>  | <br>(Bottom View)                             | <br>(Bottom View) |
| <b>P2R-087P (Two Poles)</b><br> | <br>(Bottom View)                             | <br>(Bottom View) |

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is negative.

# Products Related to Common Sockets and DIN Tracks

## P2R

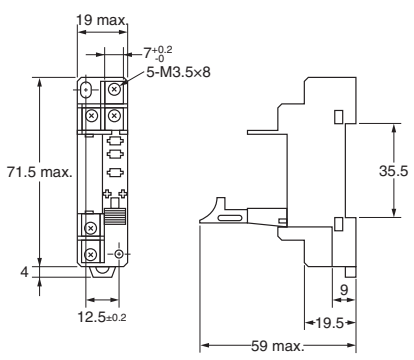
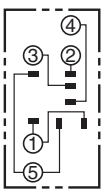
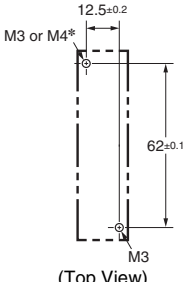
(Unit: mm)

| Dimensions   | Terminal Arrangement/<br>Internal Connections  | Mounting Hole Dimensions  |
|--|--|---|
| <b>P2R-05A (One Pole)</b><br><br>   | <br><br>(Bottom View) | <br><br>(Use panel with thickness of 1.6 to 2.0 mm.) |
| <b>P2R-08A (Two Poles)</b><br><br> | <br><br>(Bottom View) | (Use panel with thickness of 1.6 to 2.0 mm.)  |

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is negative.

## P7TF

(Unit: mm)

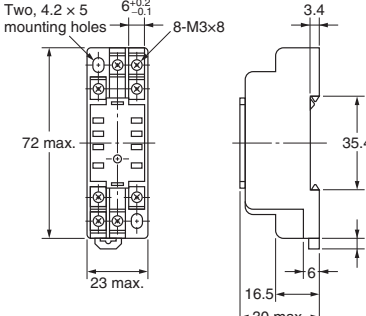
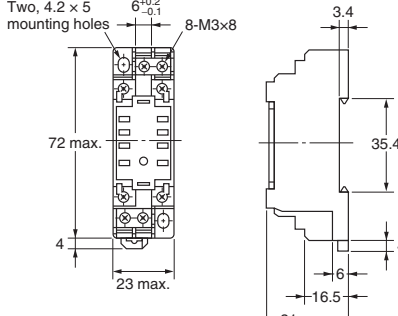
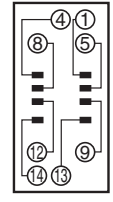
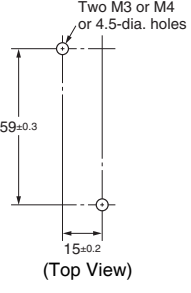
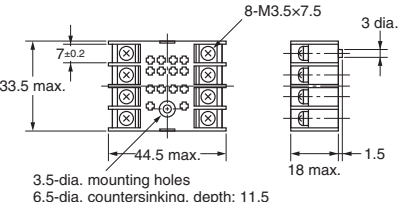
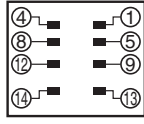
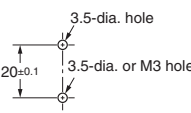
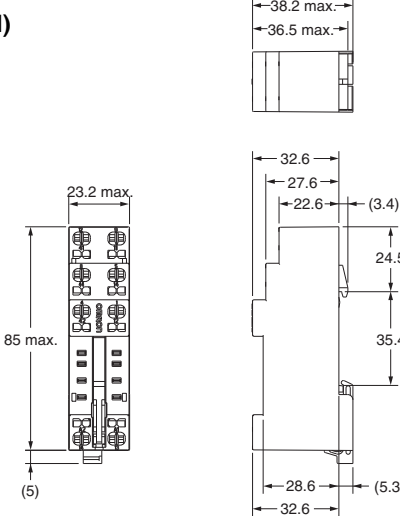
| Dimensions  | Terminal Arrangement/<br>Internal Connections  | Mounting Hole Dimensions  |
|---|--|---|
| <b>P7TF-05</b><br><br> | <br><br>(Top View) | <br><br>(Top View)<br><br><b>Note:</b> Track mounting is also possible. Refer to page 27.<br><b>*</b> We recommend that you use washers if you use M3 bolts or screws. Washers are not required with M4 bolts or screws. |

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is positive.

# Products Related to Common Sockets and DIN Tracks

**PYF**

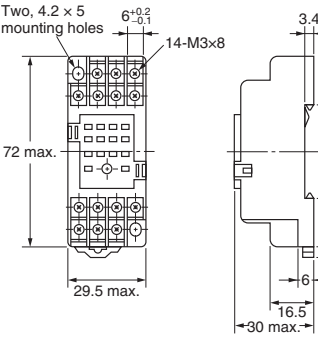
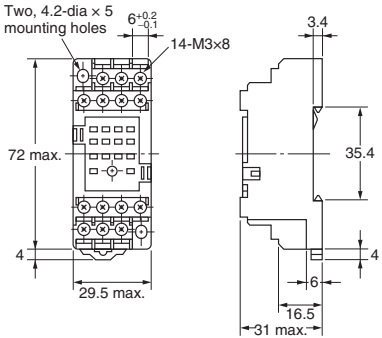
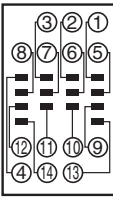
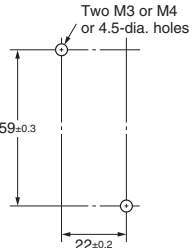
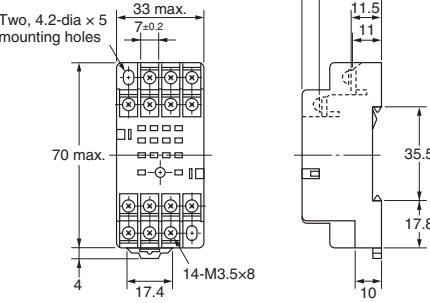
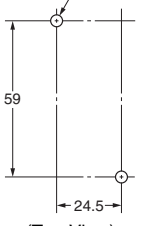
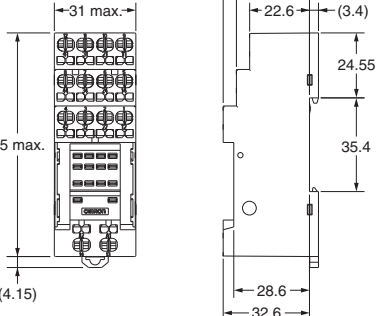
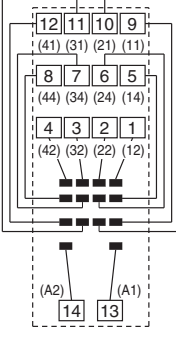
(Unit: mm)

| Dimensions   | Terminal Arrangement/Internal Connections   | Mounting Hole Dimensions  |
|--|---|---|
| <div><div><div><b>PYF08A</b></div><div></div></div><div><div><b>PYF08A-E (Finger Protection Structure)</b></div><div></div></div></div> <div><div></div><div>(Top View)</div></div> <div><div></div><div>(Top View)</div><div><b>Note:</b> Track mounting is also possible.<br/>Refer to page 27.</div></div> | <div><div><div><b>PYF08M</b></div><div></div></div><div><div></div><div>(Top View)</div></div><div><div></div><div>(Top View)</div></div></div> | <div><div><div><b>PYF08S (Screwless Model)</b></div><div></div></div><div><div></div></div></div> |

# Products Related to Common Sockets and DIN Tracks

PYF

(Unit: mm)


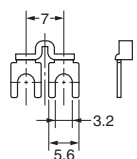

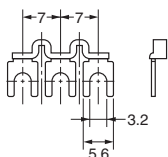
| Dimensions  | Terminal Arrangement/Internal Connections  | Mounting Hole Dimensions   |
|---|--|--|
| <p><b>PYF14A</b></p>  <p>Two, 4.2 × 5 mounting holes</p> <p>6<sup>+0.2/-0.1</sup></p> <p>14-M3×8</p> <p>72 max.</p> <p>29.5 max.</p> <p>3.4</p> <p>35.4</p> <p>4</p> <p>6</p> <p>16.5</p> <p>30 max.</p> <p><b>PYF14A-E (Finger Protection Structure)</b></p>  <p>Two, 4.2-dia × 5 mounting holes</p> <p>6<sup>+0.2/-0.1</sup></p> <p>14-M3×8</p> <p>72 max.</p> <p>29.5 max.</p> <p>3.4</p> <p>35.4</p> <p>4</p> <p>6</p> <p>16.5</p> <p>31 max.</p> |  <p>(Top View)</p>   |  <p>Two M3 or M4 or 4.5-dia. holes</p> <p>59±0.3</p> <p>22±0.2</p> <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |
| <p><b>PYF14T</b></p>  <p>Two, 4.2-dia × 5 mounting holes</p> <p>33 max.</p> <p>7<sup>+0.2/-0.1</sup></p> <p>14-M3.5×8</p> <p>70 max.</p> <p>35.5</p> <p>17.8</p> <p>4</p> <p>17.4</p> <p>30</p> <p>23.5</p> <p>11.5</p> <p>11</p>   |  <p>(Top View)</p>   |  <p>2-M4</p> <p>59</p> <p>24.5</p> <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p>                                 |
| <p><b>PYF14S (Screwless Model)</b></p>  <p>85 max.</p> <p>31 max.</p> <p>35.4</p> <p>28.6</p> <p>32.6</p> <p>27.6</p> <p>22.6</p> <p>3.4</p> <p>24.55</p> <p>36.5 max.</p> <p>(4.15)</p>   |  <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p> | <p>---</p>   |

**Note:** Refer to pages 28 and 30 for the features of Screwless Sockets and for precautions for correct use.

# Products Related to Common Sockets and DIN Tracks


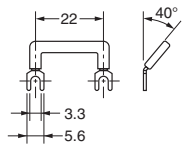

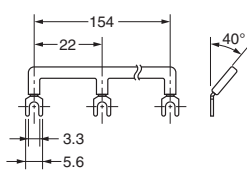

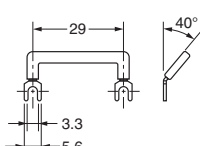

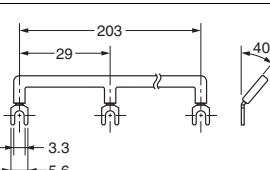
## Relay Sockets and Socket Bridges for PYF

### Bridges within the Same Socket

| Pitch | Applicable models | Appearance  | Dimensions (mm)   | Model         | Specifications   |
|-------|-------------------|---|---|---------------|--|
| 7 mm  | PYF14A            |  |  | PYD-020B□(2P) | Max. carry current: 20 A (18 A at 70°C)<br>Ambient operating temperature: -40 to 70°C (with no icing or condensation)<br>Ambient operating humidity: 45% to 85% (with no icing or condensation)<br>Conductor material: Brass<br>Conductor surface treatment: Nickel plating<br>Package qty: 50/bag |
|       |                   |  |  | PYD-030B□(3P) |  |

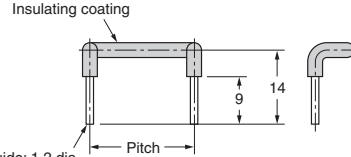
**Note:** 1. The □ in the model number is replaced with the insulation color specification code. B: Black, Y: Yellow  
 2. Specify the number of bags when ordering.

### Bridges between Adjacent Sockets

| Pitch | Applicable models | Appearance  | Dimensions (mm)   | Model         | Specifications   |
|-------|-------------------|---|---|---------------|--|
| 22 mm | PYF08A            |    |    | PYD-025B□(2P) | Max. carry current: 20 A (18 A at 70°C)<br>Ambient operating temperature: -40 to 70°C (with no icing or condensation)<br>Ambient operating humidity: 45% to 85% (with no icing or condensation)<br>Conductor material: Brass<br>Conductor surface treatment: Nickel plating<br>Package qty: 10/bag |
|       |                   |  |  | PYD-085B□(8P) |  |
| 29 mm | PYF14A            |  |  | PYD-026B□(2P) | Max. carry current: 20 A (18 A at 70°C)<br>Ambient operating temperature: -40 to 70°C (with no icing or condensation)<br>Ambient operating humidity: 45% to 85% (with no icing or condensation)<br>Conductor material: Brass<br>Conductor surface treatment: Nickel plating<br>Package qty: 10/bag |
|       |                   |  |  | PYD-086B□(8P) |  |

**Note:** 1. The □ in the model number is replaced with the insulation color specification code. B: Black, S: Blue, R: Red  
 2. Specify the number of bags when ordering.

### Socket Bridges

| Pitch   | Applicable models | Appearance and dimensions (mm)  | Model     | Insulation color |
|---------|-------------------|---|-----------|------------------|
| 19.7 mm | PYF08S            |  | PYDM-08SR | Red              |
|         |                   |   | PYDM-08SB | Blue             |
| 27.5 mm | PYF14S            |   | PYDM-14SR | Red              |
|         |                   |   | PYDM-14SB | Blue             |
| 14.3 mm | P2RF-□□-S         |   | P2RM-SR   | Red              |
|         |                   |   | P2RM-SB   | Blue             |

**Note:** 1. Use the Socket Bridges for relay coil bridge wiring.  
 2. Specify the number of bags when ordering.

## Safety Precautions

### Maximum Carry Current

- The total current of all bridged poles must not exceed the maximum carry current of the Socket Bridge.
- Make sure that the maximum carry current of the relay contacts is also not exceeded for each pole.
- If you use more than one Socket, use End Plates (PFP-M).

# Products Related to Common Sockets and DIN Tracks

**PY**

(Unit: mm)

| Dimensions   | Terminal Arrangement/<br>Internal Connections | Mounting hole and PCB dimensions |
|--|---|----------------------------------|
| <b>PY08</b><br><b>PY08-Y1 (L = 42 max.)</b><br><b>PY08-Y13 (L = 60 max.)</b> <p>*The PY08-Y□ includes the part outlined by the dashed lines above.</p>   |   |                                  |
| <b>PY08QN</b><br><b>PY08QN2</b><br><b>PY08QN-Y1</b><br><b>PY08QN2-Y1</b> <p>*1. The PY08QN(2)-Y1 includes the part outlined by the dashed lines above.<br/>         *2. The figures in the parentheses are for the PY08QN2(-Y1).</p> | <p>(Bottom View)</p>                          |                                  |
| <b>PY08-02</b><br>* The structure does not resist flux. Manual soldering is recommended for this product.  |   |                                  |
| <b>PY11</b><br><b>PY11-Y1</b> <p>*The PY11-Y1 includes the part outlined by the dashed lines above.</p>  |   |                                  |
| <b>PY11QN</b><br><b>PY11QN2</b><br><b>PY11QN-Y1</b><br><b>PY11QN2-Y1</b> <p>*1. The PY11QN(2)-Y1 includes the part outlined by the dashed lines above.<br/>         *2. The figures in the parentheses are for the PY11QN2(-Y1).</p> | <p>(Bottom View)</p>                          |                                  |
| <b>PY11-02</b><br>* The structure does not resist flux. Manual soldering is recommended for this product.  |   |                                  |



# Products Related to Common Sockets and DIN Tracks

| Dimensions  | Terminal Arrangement/<br>Internal Connections | Mounting hole and PCB dimensions |
|---|---|----------------------------------|
| <b>PY14</b><br><b>PY14-Y1 (L = 42 max.)</b><br><b>PY14-Y3 (L = 60 max.)</b><br><p>*The PY14-Y□ includes the part outlined by the dashed lines above.</p>  |   |                                  |
| <b>PY14QN</b><br><b>PY14QN2</b><br><b>PY14QN-Y1 (L = 42 max.)</b><br><b>PY14QN2-Y1 (L = 42 max.)</b><br><b>PY14QN-Y3 (L = 60 max.)</b><br><b>PY14QN2-Y3 (L = 60 max.)</b><br><p>*1. The PY14QN-Y□ and PY14QN2-Y□ include the part outlined by the dashed lines above.<br/> *2. The figures in the parentheses are for the PY14QN2(-Y□).</p> | <br><b>(Bottom View)</b>                      |                                  |
| <b>PY14-02</b><br>* The structure does not resist flux. Manual soldering is recommended for this product.<br>   |   |                                  |

- Note:** 1. Use a panel with a thickness of 1 to 2 mm when mounting a Socket on it.  
2. You can use the PY14-Y1 or PY14QN-Y1 for the MY4 Series, MY4H, MYQ4(Z), or MY2K.  
3. You can use the PY14-Y3 or PY14QN-Y3 for H3Y Timers.

## PTF

(Unit: mm)

| Dimensions  | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions   |
|---|---|--|
| <b>PTF08A</b><br>                                 |   |  |
| <b>PTF08A-E (Finger Protection Structure)</b><br> | <br><b>(Top View)</b>                         | <p><b>Note:</b> Track mounting is also possible.<br/>Refer to page 27.</p> |

# Products Related to Common Sockets and DIN Tracks

| Dimensions                                    | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions   |
|---|---|--|
| <b>PTF11A</b>                                 | <p>(Top View)</p>                             | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |
| <b>PTF14A</b>                                 | <p>(Top View)</p>                             | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |
| <b>PTF14A-E (Finger Protection Structure)</b> | <p>(Top View)</p>                             | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. Refer to page 27.</p> |

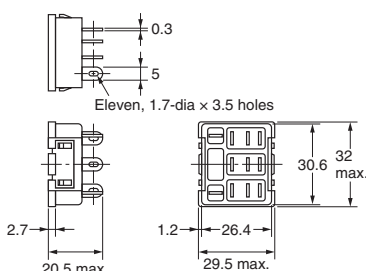
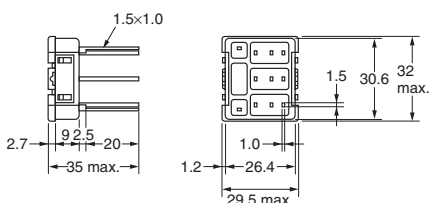
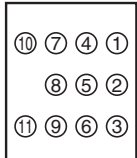
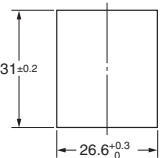
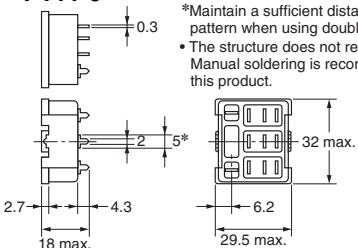
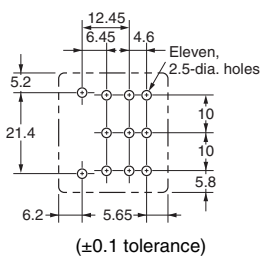
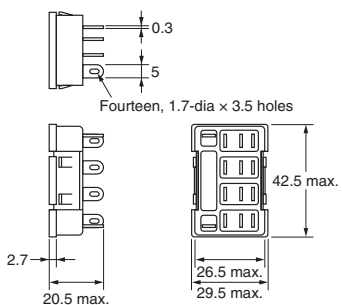
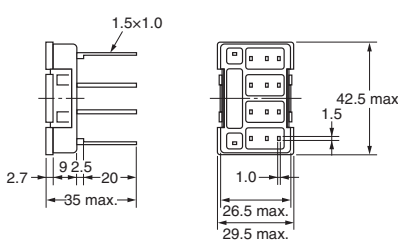
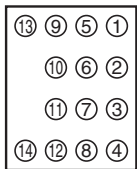
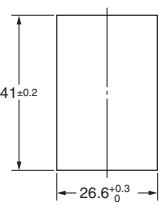
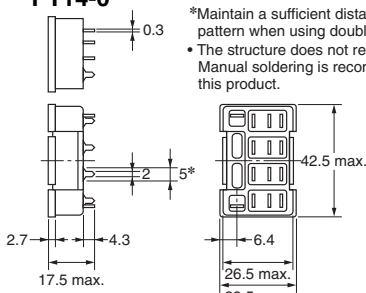
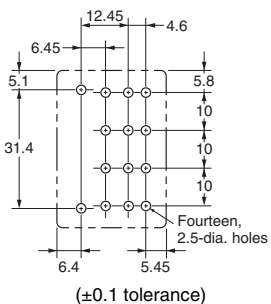
**Note:** If you use the PTF08A, PTF08A-E, or PT08 with an LY1 Relay, connect the following terminal pairs: 1-2, 3-4, and 5-6 (for usage at 10 A or higher).

**PT**

(Unit: mm)

| Dimensions  | Terminal Arrangement/<br>Internal Connections | Mounting hole and PCB dimensions              |
|---|---|---|
| <b>PT08</b>   | <p>(Bottom View)</p>                          |   |
| <b>PT08QN</b>   |   |   |
| <b>PT08-0</b> <p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.<br/>• The structure does not resist flux. Manual soldering is recommended for this product.</p> |   | <p>Eight, 2.5-dia. holes (±0.1 tolerance)</p> |

# Products Related to Common Sockets and DIN Tracks

| Dimensions  |  | Terminal Arrangement/<br>Internal Connections  | Mounting hole and PCB dimensions  |
|---|--|--|---|
| <b>PT11</b><br>  | <b>PT11QN</b><br>   | <br>(Bottom View)   |    |
|   | <b>PT11-0</b><br><br>*Maintain a sufficient distance from the pattern when using double-sided PCBs.<br>• The structure does not resist flux.<br>Manual soldering is recommended for this product.   |  |    |
| <b>PT14</b><br> | <b>PT14QN</b><br>  | <br>(Bottom View) |   |
|   | <b>PT14-0</b><br><br>*Maintain a sufficient distance from the pattern when using double-sided PCBs.<br>• The structure does not resist flux.<br>Manual soldering is recommended for this product. |  |  |

**Note:** Use a panel with a thickness of 1 to 2 mm when mounting a Socket on it.

# Products Related to Common Sockets and DIN Tracks

## P7LF

(Unit: mm)

| Dimensions  | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions                                |
|---|---|---|
| <b>P7LF-06</b><br><p>Two, M3.5 x 6 (coil side)</p> <p>Four, M4 x 8 (contact side)</p> <p>40±0.1</p> <p>55.5 max.</p> <p>51.5 max.</p> <p>25</p> <p>46 max.</p> <p>5</p> <p>8±0.05</p> <p>9.2±0.05</p> | <p>(Top View)</p>                             | <p>Two, 4.5 dia. or M4 mounting holes</p> <p>40±0.1</p> |

## P7S

(Unit: mm)

| Dimensions  | Terminal Arrangement/<br>Internal Connections       | Mounting Hole Dimensions   |
|---|---|--|
| <b>P7S-14F-END</b><br><p>Indicator LED</p> <p>14-M3.0x8</p> <p>40 max.</p> <p>33±0.1</p> <p>4</p> <p>7.5</p> <p>80 max.</p> <p>37</p> <p>17</p> <p>5.9</p> <p>3.1</p> <p>5</p> <p>90.5 max.</p> <p>(5)</p>                    |   | <p>Two, 4.0 dia. or M3.5</p> <p>33±0.1</p>   |
| <b>P7S-14P-E</b><br><p>70.5 max.</p> <p>28±0.2</p> <p>23.5 max.</p> <p>Two, 6.5 dia., depth: 8</p> <p>57 max.</p> <p>13.2</p> <p>4.1</p> <p>8</p> <p>14.5</p> <p>23.5 max.</p> <p>6</p> <p>5x7=35</p> <p>16.9</p> <p>(15)</p> | <p>G7S-4A2B-E Mounted</p> <p>G7S-3A3B-E Mounted</p> | <p>28±0.2</p> <p>4.2</p> <p>(21)</p> <p>(16.9)</p> <p>2.8</p> <p>14.5</p> <p>8</p> <p>16</p> <p>7</p> <p>Two, 3.6 dia.</p> <p>Fourteen, 2.5 dia.</p> <p>5x7=35</p> |

# Products Related to Common Sockets and DIN Tracks

## P7SA

(Unit: mm)

| Dimensions  | Terminal Arrangement/Internal Connections   | Mounting Hole Dimensions                     |
|---|---|--|
| <b>P7SA-10F</b><br><b>P7SA-10F-ND</b> <p><b>Note:</b> 1. The Socket is shown with the finger cover removed.<br/>2. Only the -ND Sockets have LED indicators (orange).</p> | <b>G7SA-3A1B Mounted</b><br><p><b>G7SA-2A2B Mounted</b><br/> </p> <p>* This display circuit is available only for "-ND" models.<br/> <b>Note:</b> Terminals 23-24, 33-34, and 43-44 are normally open. Terminals 11-12 and 21-22 are normally closed.</p>   | <p>(Top View)</p>                            |
| <b>P7SA-14F</b><br><b>P7SA-14F-ND</b> <p><b>Note:</b> 1. The Socket is shown with the finger cover removed.<br/>2. Only the -ND Sockets have LED indicators (orange).</p> | <b>G7SA-5A1B Mounted</b><br><p><b>G7SA-4A2B Mounted</b><br/> </p> <p><b>G7SA-3A3B Mounted</b><br/> </p> <p>* This display circuit is available only for "-ND" models.<br/> <b>Note:</b> Terminals 23-24, 33-34, 43-44, 53-54, and 63-64 are normally open. Terminals 11-12, 21-22, and 31-32 are normally closed.</p> | <p>(Top View)</p>                            |
| <b>P7SA-10P</b> <p><b>Note:</b> 1. The Socket is shown with the finger cover removed.<br/>2. Only the -ND Sockets have LED indicators (orange).</p>                       | <b>G7SA-3A1B Mounted</b><br><p><b>G7SA-2A2B Mounted</b><br/> </p> <p>(Bottom View)</p> <p><b>Note:</b> Terminals 23-24, 33-34, and 43-44 are normally open. Terminals 11-12 and 21-22 are normally closed.</p>  | <p>(Bottom View)</p> <p>(±0.1 tolerance)</p> |
| <b>P7SA-14P</b> <p><b>Note:</b> 1. The Socket is shown with the finger cover removed.<br/>2. Only the -ND Sockets have LED indicators (orange).</p>                       | <b>G7SA-5A1B Mounted</b><br><p><b>G7SA-4A2B Mounted</b><br/> </p> <p><b>G7SA-3A3B Mounted</b><br/> </p> <p>(Bottom View)</p> <p><b>Note:</b> Terminals 23-24, 33-34, 43-44, 53-54, and 63-64 are normally open. Terminals 11-12, 21-22, and 31-32 are normally closed.</p>  | <p>(Bottom View)</p> <p>(±0.1 tolerance)</p> |

# Products Related to Common Sockets and DIN Tracks

PF

(Unit: mm)

| Dimensions          | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions  |
|---------------------|---|---|
| <b>PF083A</b><br>   | <br>(Top View)                                |   |
| <b>PF083A-E</b><br> | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |
| <b>PF085A</b><br>   | <br>(Top View)                                |   |
| <b>PF113A</b><br>   | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |
| <b>PF113A-E</b><br> | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |

**Note:** 1. For the PF083A and PF113A, the Socket key slot is on the top. (Applicable model: MK)

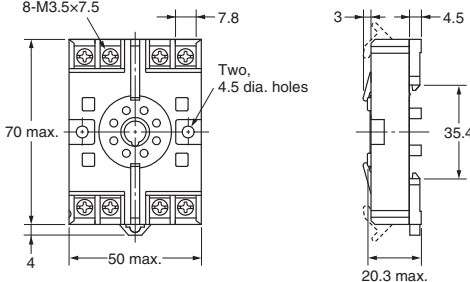
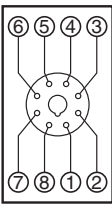
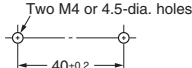
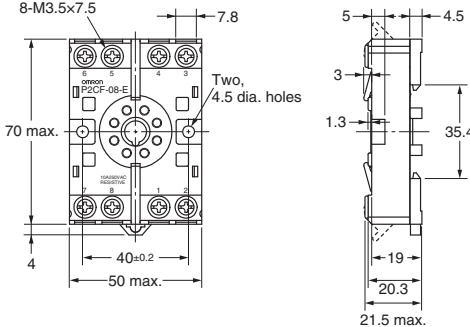
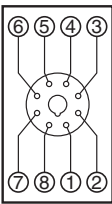
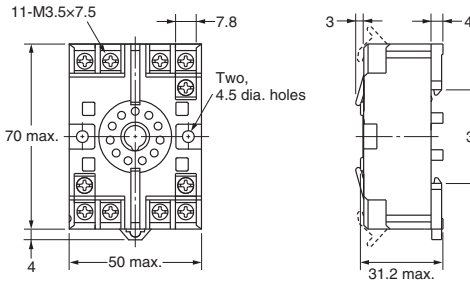
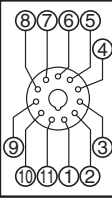
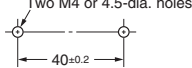
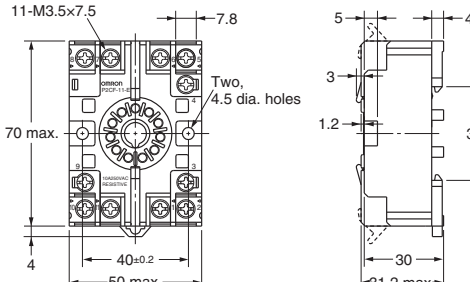
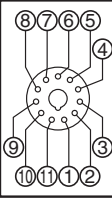
2. The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.



# Products Related to Common Sockets and DIN Tracks

## P2CF

(Unit: mm)

| Dimensions  | Terminal Arrangement/<br>Internal Connections  | Mounting Hole Dimensions   |
|---|--|--|
| <p><b>P2CF-08</b></p>      |  <p>(Top View)</p>   |  <p>Two M4 or 4.5-dia. holes<br/>40±0.2</p>   |
| <p><b>P2CF-08-E</b></p>    |  <p>(Top View)</p>   | <p><b>Note:</b> Track mounting is also possible.<br/>Refer to page 27.</p>   |
| <p><b>P2CF-11</b></p>     |  <p>(Top View)</p> |  <p>Two M4 or 4.5-dia. holes<br/>40±0.2</p> |
| <p><b>P2CF-11-E</b></p>  |  <p>(Top View)</p> | <p><b>Note:</b> Track mounting is also possible.<br/>Refer to page 27.</p>   |

# Products Related to Common Sockets and DIN Tracks

## PFA

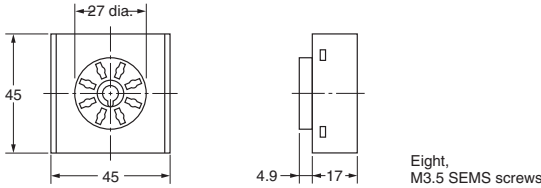
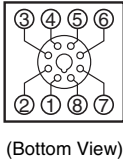
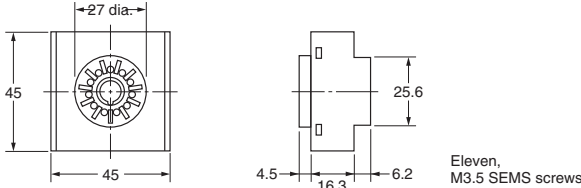
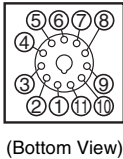
(Unit: mm)

| Dimensions       | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions  |
|------------------|---|---|
| <b>8PFA</b><br>  | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |
| <b>8PFA1</b><br> | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |
| <b>11PFA</b><br> | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |
| <b>14PFA</b><br> | <br>(Top View)                                | <br><b>Note:</b> Track mounting is also possible. Refer to page 27. |

# Products Related to Common Sockets and DIN Tracks

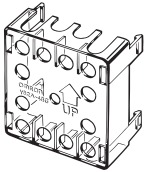
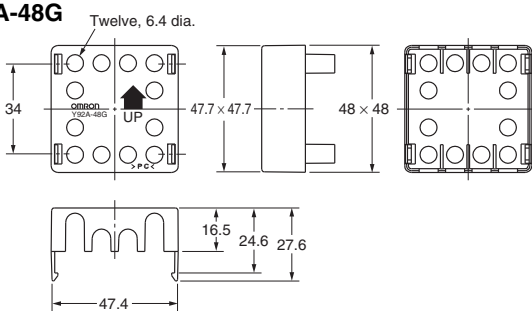
## P3G/P3GA

(Unit: mm)

| Dimensions   | Terminal Arrangement/<br>Internal Connections   | Mounting Hole Dimensions |
|--|---|--------------------------|
| <b>P3G-08</b>  <p><b>Note:</b> The Y92A-48G Terminal Cover can be used to implement finger protection.</p>  |  <p>(Bottom View)</p> | ---                      |
| <b>P3GA-11</b>  <p><b>Note:</b> The Y92A-48G Terminal Cover can be used to implement finger protection.</p> |  <p>(Bottom View)</p> | ---                      |

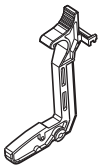
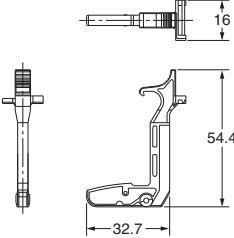

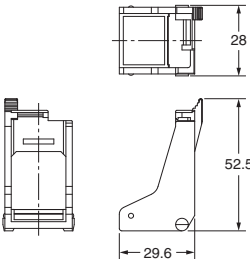
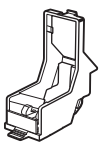


## Terminal Cover

(Unit: mm)

| Appearance  | Dimensions   |
|---|--|
|  | <b>Y92A-48G</b> <p>Twelve, 6.4 dia.</p>  |

## Release Lever

(Unit: mm)

| Applicable models | Appearance  | Dimensions  | Model    |
|-------------------|---|---|----------|
| PYF08S            |  |  | PYCM-08S |
| PYF14S            |  |  | PYCM-14S |
| P2RF-05-S         |  |  | P2CM-S   |
| P2RF-08-S         |   |  |          |

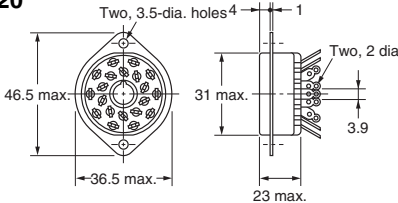
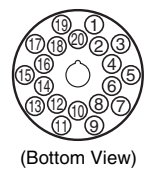
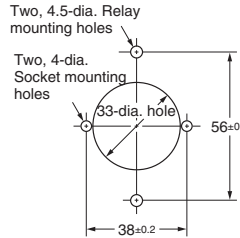
# Products Related to Common Sockets and DIN Tracks

**PL**

(Unit: mm)

| Dimensions         | Terminal Arrangement/<br>Internal Connections | Mounting hole and PCB dimensions (bottom view)   |
|--------------------|---|--|
| <b>PL08</b><br>    |   | <p>Two, 3.5 dia. or M3 device mounting holes</p> <p>Two, 3.5 or M3 Socket mounting holes</p> <p>31-dia. hole</p> <p>40±0.3</p> <p>L = 40 mm<br/>MK2(Z)P</p> <p>L = 74 mm<br/>PU, AMD-S, MM2(X)P, CZ, STP, H3L, TDS, DTS, DSP, TDF, TDV</p> <p>L = 86 mm<br/>61F-GP/-APN, G4Q-212S, RD2P, RDA, TDA, AGF, SE, SAD, K2CU, SDV-F</p> |
| <b>PL08-Q</b><br>  | <br>(Bottom View)                             | <p>Two 3.5-dia. or two M3 Socket mounting holes</p> <p>31-dia. hole</p> <p>40±0.3</p> <p>MK2(Z)P</p>   |
| <b>PLE08-0</b><br> |   | <p>Two 3.5-dia. Hold-down Clip mounting holes</p> <p>45°</p> <p>27.7±0.5 dia.</p> <p>40±0.1</p> <p>Eight, 2.5-dia. holes</p> <p>MK2(Z)P</p>  |
| <b>PL11</b><br>    |   | <p>Two, 3.5 dia. or M3 device mounting /Hold-down Clip mounting holes</p> <p>Two, 3.5 dia. or M3 Socket mounting holes</p> <p>31-dia. hole</p> <p>40±0.3</p> <p>L = 40 mm<br/>MK3P<br/>MK2KP</p> <p>L = 74 mm<br/>MM3P<br/>MK2(X)KP</p>  |
| <b>PL11-Q</b><br>  | <br>(Bottom View)                             | <p>L = 42 mm<br/>MK3ZP<br/>MK3LP</p>   |
| <b>PLE11-0</b><br> |   | <p>Two, 3.5-dia. holes</p> <p>Applicable model/Hold-down Clip mounting holes</p> <p>360°</p> <p>28.7±0.5</p> <p>L</p> <p>Eleven, 2.5-dia. holes</p> <p>L = 40 mm<br/>MK3P<br/>MK2KP</p> <p>L = 42 mm<br/>MK3ZP<br/>MK3LP</p>   |
| <b>PL15</b><br>    | <br>(Bottom View)                             | <p>Two, 3.5 dia. or M3 device mounting holes</p> <p>Two, 3.5 dia. or M3 Socket mounting holes</p> <p>4.2-dia. hole</p> <p>74</p> <p>53</p> <p>MM3XP<br/>MM4(X)P<br/>MM3(X)KP<br/>MM4(X)KP</p>  |

# Products Related to Common Sockets and DIN Tracks

| Dimensions   | Terminal Arrangement/<br>Internal Connections  | Mounting hole and PCB dimensions (bottom view)  |
|--|--|---|
| <b>PL20</b><br> | <br>(Bottom View) | <br>Two, 4.5-dia. Relay mounting holes<br>Two, 4-dia. Socket mounting holes<br>33-dia. hole<br>56±0.2<br>38±0.2 |

\* Relay mounting holes are not required for the LDNP.

**Note:** When mounting, pay due attention to the direction of the key groove of applicable Relays.

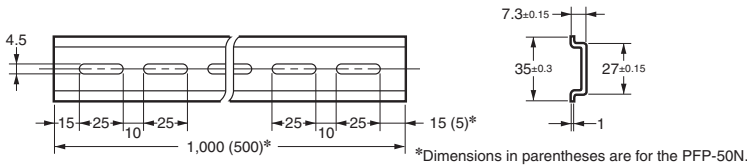
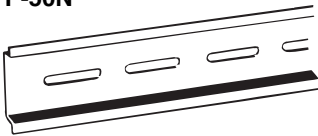
## Accessories for DIN Track Mounting (Order Separately)

(Unit: mm)

### DIN Tracks

PFP-100N

PFP-50N



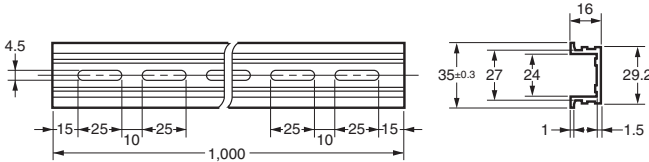
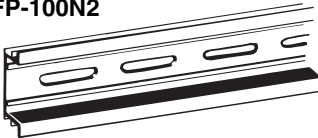
Model

PFP-100N

PFP-50N

### DIN Track

PFP-100N2

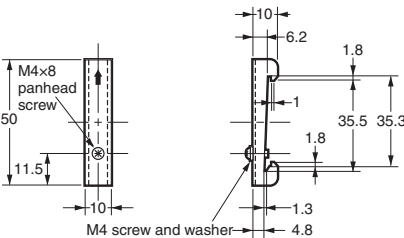


Model

PFP-100N2

### End Plate

PFP-M

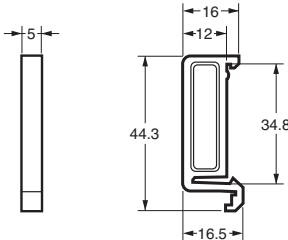
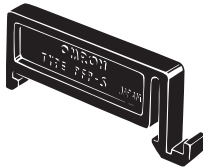


Model

PFP-M

### Spacer

PFP-S



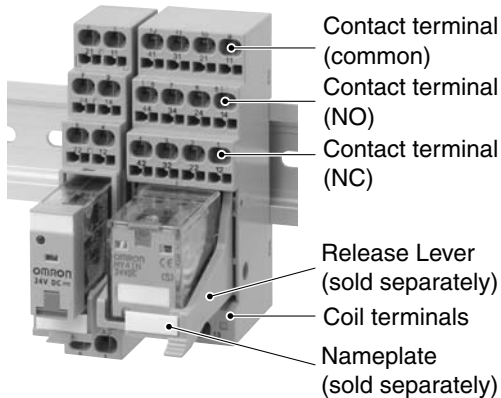
Model

PFP-S

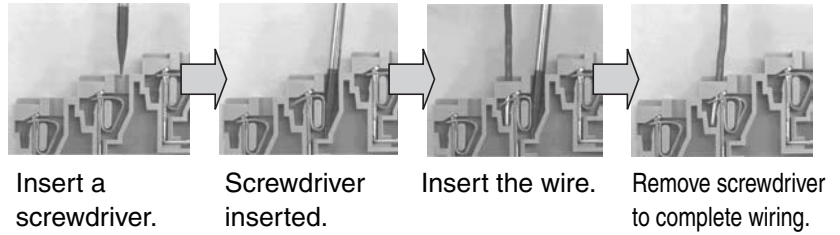
**Note:** 1. Order the above products in multiples of 10.  
2. The Tracks conform to DIN standards.

## Features of Screwless Sockets

### Structured for Easy Wiring



### Complete Wiring in Three Steps



- A spring holds the wire in place to reduce wiring work by 30% (according to OMRON comparison) and eliminates the need to manage torque.
- DIN terminal numbers also indicated.

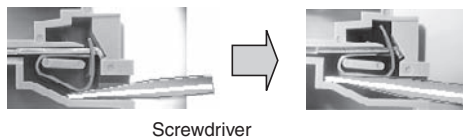
## Safety Precautions

### Precautions for Safe Use

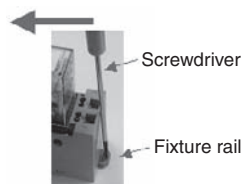
- Do not move the screwdriver up, down, or from side to side or rotate it while it is inserted in the hole. Doing so may damage internal components in the Socket.



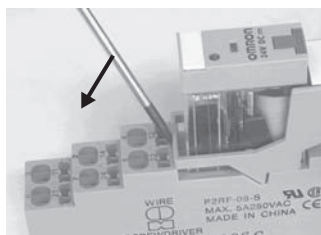
- Do not insert more than one wire into the same hole. Doing so may cause abnormal heating.
- There are two internally connected wiring holes for each terminal.
- Insert the screwdriver along the hole wall as shown below.



- When you remove a Socket from a support rail, insert the end of a screwdriver into the fixture and move the driver as shown by the arrow in the following figure.



- When you use a Release Lever to remove a Relay from a P2RF-□□-S Socket, insert a screwdriver at the location shown in the following figure and move the Release Lever in the direction indicated by the arrow to release the lock on the release lever.



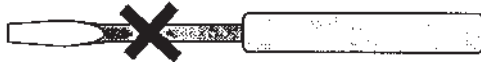
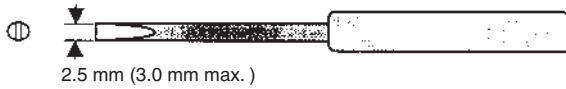


## Precautions for Correct Use

### Wiring Tools

#### Applicable Screwdriver

Use a flat-blade screwdriver with a tip that is 2.5 mm wide (3.0 mm max.).



You cannot use a screwdriver with a thick shaft.

#### Applicable Screwdriver (Example)

VESSEL No.9900 – (–) 2.5 × 75

### Applicable Wires

- You can use either solid wires or stranded wires. Applicable wire size: 0.2 to 1.5 mm<sup>2</sup> (AWG24 to AWG16)
- Strip 8 to 9 mm of insulation from the ends of the wires.

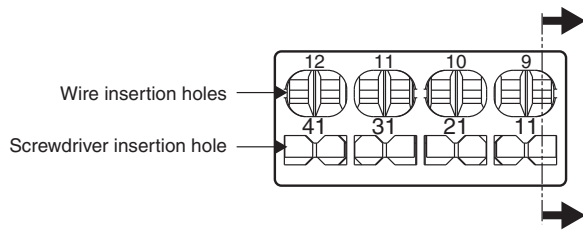


- If you insert stranded wires without ferrules, make sure that the wires are twisted when you insert them.
- If you use bare ferrules, always attach insulating sleeves.
- If you insert a wire with a sheath outer diameter of 2.2 mm or less, do not insert the wire far enough so that the sheath is engaged inside the hole, as shown below.

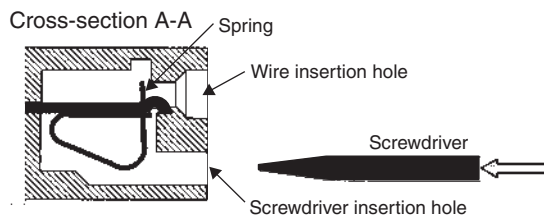


- Two wires with a sheath outer diameter of 3.2 mm or larger cannot be inserted for the same terminal at the same time.
- Use heat-shrinking tubes to indicate wire numbers.

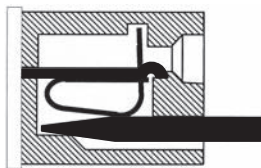
## Wiring



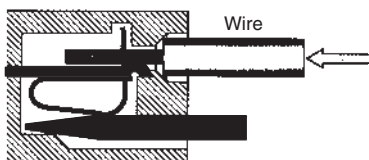
(1) Insert a screwdriver into a screwdriver insertion hole on the Socket.



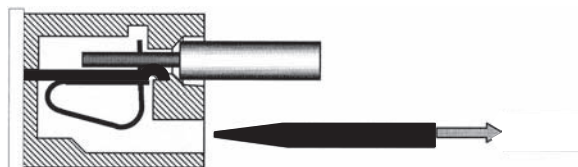
(2) Press the screwdriver in until it reaches the stopper inside the Socket. The spring at the back of the wire insertion hole will be complete open in this condition. The screwdriver will be held in place even if you remove your hand.



(3) With the screwdriver held in place, insert the wire or ferrule into the wire insertion hole.



(4) Remove the screwdriver. The spring will hold the wire. This concludes the connection procedure.



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